

KRASSOV, I. M.

"Experimental Investigation of Air Solubility in the Pressure Fluids of Hydraulic Systems." Thesis for degree of Cand. Technical Sci. Sub 21 Nov 49, Moscow Order of Lenin Aviation Inst imeni Sergo Ordzhonikidze

Summary #2, 18 Dec 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1949. From Vechernaya Moskva, Jan-Dec 1949.

9,2140(100,1150,1161)

30446
S/119/61/000/012/001/006
D209/D303

AUTHORS: Kozlov, N.P., Engineer and Krassov, I.M., Candidate of Technical Sciences

TITLE: Determining the dynamic characteristic of an electromagnetic control element

PERIODICAL: Priborostroyeniye, no. 12, 1961, 1-4

TEXT: This paper introduces a simplified method of plotting a frequency response characteristic of certain types of electromagnetic control devices. In many cases the accuracy of the characteristic constructed by this method is completely adequate. The analytical solution of the equation of motion and of the static characteristic of such an element can be quite laborious, whereas the empirical derivation of the static characteristic is comparatively easy. Using the experimental characteristic, the constant coefficients of the static equation can be determined as well as the coefficients of the equation of motion. An example is worked out for an electromagnetic control element

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consisting of an armature, control winding, magnet and an exciting winding, whose static characteristic is known. Having a complex expression for the amplification factor, the real and the imaginary parts are worked out and the calculated coefficients of the equation of motion are substituted into the resulting expression. In this way, by the method of Ye. P. Popov (Ref. 4: Dinamika sistem avtomaticheskogo regulirovanya, Gostekhizdat, M. 1954), the amplitude-phase characteristic of the control element is determined (Fig. 3), where the curve A is obtained by calculation and the curve B - experimentally. Utilizing the approximate method of plotting it is sufficient to use the basic points on the curve. These points are: The initial point of the curve; the point corresponding to the natural frequency of oscillations; the point of cross-section of the curve with the imaginary axis $j\omega$ and the condition of deformation of the curve in the horizontal direction to the right and left of the $j\omega$ axis. The straight line $U=1$ is the characteristic line in the construction of the frequency response characteristic. The condition that the curve does not extend to the right of the line $U=1$ is given. If

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this condition is infringed, the curve is deformed and extends to the right of the line $U=1$. In order to plot the curve, the values of the frequencies corresponding to the two maximum values of U , as well as the abscissae themselves, are found by differentiation and subsequent substitution into the real part of the characteristic. The corresponding ordinates can also be found. The point of cross-section of the curve with jv is found from the condition $U=0$. The point of the natural frequency of oscillations is also determined. Thus several basic points are obtained. They are sufficient to plot an approximate amplitude-phase characteristic. There are 3 figures, 1 table and 4 Soviet-bloc references.

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S/103/61/022/011/014/014
D271/D306

16-4000 (1103, 1031, 1132)

AUTHORS: Krassov, I. M., and Nikol'skiy, V. N., (Moscow, Kuybyshev)

TITLE: Electromagnetic control elements

PERIODICAL: Avtomatika i telemekhanika, v. 22, no. 11, 1961,
1546-1549

TEXT: Electromagnetic control elements which are described were developed in order to obtain improved dynamic and static characteristics, reduced weight and dimensions, and a possibility of use in vibrational mode. The design is shown; the armature is held in a neutral position by two springs and can move to either side under the action of two electromagnetic systems. Parts of the magnetic circuit are in Armco steel. The linearity of the pulling characteristic and high frequency of self-oscillations were regarded as basic premises of the design; cylindrical armature with conical faces and conical pole pieces of the yoke provides the linearity of the characteristic; the weight is reduced by joining both electromagnets.

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tic systems in a common pole and by a single armature. The dimensions of the parasitic gap were so chosen as to obtain minimum magnetic reluctance and a linear dependence of the armature displacement on the signal. Assuming also a low saturation of the core, forces acting on the armature are

$$F_1 = c (I_1 w)^2 \frac{dG_1}{dx} \quad (1)$$

$$F_2 = c (I_2 w)^2 \frac{dG_2}{dx} \quad (2)$$

where F_1 and F_2 are forces exerted by both systems, I_1 and I_2 - currents in their coils, w - number of turns, G_1 and G_2 - magnetic conductances of working gaps of both systems, X - displacement of the armature from its neutral position and c - a constant coefficient.

In a vibrational mode, the coils are subject to pulses of constant

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height and constant or varying duration, dependent on the magnitude of the incoming signal; when the signal is varied, currents I_1 and I_2 vary in proportion, and the displacement of the armature follows. The sum of the current I_1 and I_2 is constant, hence it is convenient to express them as

$$I_1 = I_m n \quad (3)$$

and

$$I_2 = I_m (1 - n) \quad (4)$$

where I_m is the maximum value and n - coefficient of change. If

$$\frac{dG_1}{dx} = \frac{dG_2}{dx} \quad (6)$$

the expression for the resultant force acting on the armature is

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$$F = c \frac{dG_1}{dx} (I_m w)^2 (1 - 2n) \quad (7)$$

The force depends linearly on n and so also on the incoming signal. Condition (6) was satisfied by the appropriate shape of pole pieces of the armature and core and by a large initial air gap. Taking into account expressions for conductances G_1 and G_2 , an approximate expression is obtained for the force \times

$$F = k_i \Delta I + k_x \Delta x \quad (9)$$

where k_i and k_x are coefficients dependent on the design, ΔI - variation of current in coils, Δx - displacement of the armature. Considering that the force exerted by springs is

$$N = c_n x \quad (10)$$

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where c_n is the stiffness coefficient, a linear relation is obtained between the displacement and the variation of current. Data are given for an electromagnet with a total weight of 260 g, + 1.3 mm linear displacement of the armature, pulling force of 1000 g for 1.3 mm travel, frequency of self-oscillations - 120 c/s and travel time to the extreme position - 0.032 sec. There are 4 figures and 2 Soviet-bloc references.

SUBMITTED: November 9, 1960

X

Card 5/5

KRASSOV, I.M., kand.tekhn.nauk, dotsent; RADOVSKIY, L.I., inzh.; TURBIN, B.G.,
inzh.

Statics of a two-cascade hydraulic amplifier with nozzle-gates and
valves. Vest. mash. 41 no.6:17-23 Je '61. (MIRA 14:6)
(Hydraulic machinery)

3/3/9
S/103/62/023/004/011/011
D299/D301

26.2190

AUTHORS: Krassov, I.M., Radovskiy, L.I., and Turbin, G.B.
(Moscow)

TITLE: On the sensitivity of a nozzle-flap hydraulic amplifier

PERIODICAL: Avtomatika i telemekhanika, v. 23, no. 4, 1962,
543 - 545

TEXT: The sensitivity of nozzle-flap hydraulic amplifiers, under various operating conditions, is considered. Basic rules are given for selection and calculation of parameters, so as to obtain maximum sensitivity under set conditions. For normal operating conditions, the amplifier sensitivity is expressed by the derivative

$$\left(\frac{\partial p_1}{\partial \varphi} \right)_{\varphi=0} = K_p, \quad (2)$$

called the pressure gain coefficient; p_1 is the working pressure of the liquid in the inter-valve chamber, and φ - the angle of rotation of the flap. K_p is differently determined for various operat-

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S/103/62/023/004/011/011

On the sensitivity of a nozzle-flap ... D299/D301

ing conditions, and has different maximum numerical values. Three types of most commonly met operating conditions are considered. A table lists the formulas for K_p (for the 3 types of operating conditions), its maximum value, the conductivity ratio δ and the principal parameters of the amplifier. The formulas for K_p , listed in the table, are analyzed and the relative merits of each type of operating conditions are ascertained. Analysis of the formulas for K_p with type 3 operating conditions; the initial gap h_0 between the nozzle and flap is given, as well as the discharge Q_0 of the working liquid through the valve with variable passage), permits determining the limiting values of δ and of the pressure p_0 on the basis of actual conditions. Thus, with $\delta = 2$, K_p is 20 % below its maximum value, whereas with $\delta = 3$, only by 10 %. Hence, in designing nozzle-flap amplifiers, it is not necessary to exceed the value $\delta = 3$. The corresponding limiting value of $p_0 = 10p_{103}$ (where p_{103} is determined by the formula $\delta = \sqrt{p_0/p_{103}} - 1$). The above formulas permit designing amplifiers with maximum sensitivity under given

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On the sensitivity of a nozzle-flap ... S/103/62/023/004/011/011
D299/D301
conditions. There are 1 figure, 1 table and 1 Soviet-bloc reference.
SUBMITTED: November 25, 1961

Card 3/3

L 17885-63

BDS

ACCESSION NR: AP3004280

S/0119/63/000/007/0003/0006

47

AUTHOR: Krassov, I. M.

TITLE: Power aspects of hydraulic automatic systems

SOURCE: Priborostroyeniye, no. 7, 1963, 3-6

TOPIC TAGS: hydraulic automatic system

ABSTRACT: Power aspects, including efficiency, of hydraulic automatic systems consisting of an amplifier and a final control mechanism are considered. For higher efficiency, it is recommended that the system be operated at its maximum output power. These specific hydraulic automatic systems are examined in some detail: (1) a jet amplifier with a piston-type double-action final control mechanism; (2) a slide-valve amplifier with the same final mechanism; (3) a differential nozzle-shutter amplifier with the same final mechanism. Formulas describing operation of the above systems are examined, and recommendations

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ACCESSION NR: AP3004280

which would bring the hydraulic system to its highest-efficiency operating mode are given. Orig. art. has: 4 figures and 30 formulas.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 08Aug63 ENCL: 00

SUB CODE: IE NO REF SOV: 004 OTHER: 000

Card 2/2

KRASSOV, I.M.; KOSHARSKIY, B.D., retsenzent; AKIMOVA, A.G., red.
izd-va; SMIRNOVA, G.V., tekhn. red.

[Hydraulic elements in automatic control systems] Gid-
ravlicheskie elementy sistem avtomaticheskogo regulirova-
nia. Moskva, Mashgiz, 1963. 160 p. (MIRA 16:4)
(Hydraulic control)

KRASSOV, I.M.

Power potentialities of hydraulic control systems. Priborostroenie
no.7:3-6 Jl '63. (MIRA 16:9)

KOZLOV, N.P.; KRASSOV, I.M.; LEVIN, L.P.

Analysis of differential electromagnetic elements for automatic
control systems. Priborostroenie no.1:5-8 Ja '64. (MIRA 17:2)

KULEBAKIN, V.S., akademik, otv. red.; PETROV, B.N., akademik, otv. red.; PODNER, V.A., doktor tekhn. nauk, red.; VORONOV, A.A., doktor tekhn. nauk, red.; IVAKHnenko, A.G., red.; ISHLINSKIY, A.Yu., akademik, red.; KOSTYUK, O.M., kand. tekhn. nauk, red.; KRASSOV, I.M., kand. tekhn. nauk, red.; KUNTSEVICH, V.M., kand. tekhn. nauk, red.; KUKHTENKO, A.I., red.; RYABOV, B.A., doktor tekhn. nauk, red.; SIMONOV, N.I., doktor fiz.-mat. nauk, red.; ULANOV, G.M., doktor tekhn. nauk, red.; FEDOROV, S.M., kand. tekhn. nauk, red.; TSYPKIN, Ya.Z., doktor tekhn. nauk, red.; CHINAYEV, P.I., kand. tekhn. nauk, red.; KRUTOVA, I.N., kand. tekhn. nauk, red.; RUTKOVSKIY, V.Yu., kand. tekhn. nauk, red.

[Invariancy theory in automatic control systems; transactions] Teoriia invariantnosti v sistemakh avtomaticheskogo upravleniya; trudy. Moskva, Nauka, 1964. 503 p.
(MIRA 18:2)

1. Vsesoyuznoye soveshchaniye po teorii invariantnosti i yeye primeneniyu v avtomaticheskikh ustroystvakh. 2d, Kiev, 1962. 2. Chlen-korrespondent AN Ukr.SSR (for Ivakhnenko, Kukhtenko).

AVEN, O.A.; DVORETSKIY, V.M.; DOMANITSKIY, S.M.; ZALMANZON, L.A.;
KRASSOV, I.M.; KRUG, Ye.K.; TAL', A.A.; KHOKHLOV, V.A.;
BULGAKOV, A.A.; DEMIDENKO, Ye.D.; BERNSHTEYN, S.I.; YEMEL'YANOV,
S.V.; LERNER, A.Ya.; MEYFROV, M.V.; PEREL'MAN, I.I., FITSNER,
L.N.; CHELYUSTKIN, A.B.; ZHOZHIKASHVILI, V.A.; IL'IN, V.A.;
AGEYKIN, D.I.; GUSHCHIN, Yu.V.; KATYS, G.P.; MEL'TTSER, L.V.;
PARKHOMENKO, P.P.; MIKHAYLOV, N.N.; FITSNER, L.N.; PARKHOMENKO,
P.P.; ROZENBLAT, M.A.; SOTSKOV, B.S.; VASIL'YEVA, N.P.; PRANGISHVILI,
I.V.; POLONNIKOV, D.Ye.; VOROB'YEVA, T.M.; DEKABRUN, I.Ye.

Work on the development of systems and principles of automatic
control at the Institute of Automatic and Remote Control
during 1939-1964. Avtom. i telem. 25 no. 6:807-851 Je '64.
(MIRA 17:7)

KOZLOV, N.P., kand.tekhn.nauk; KRASIL'V, I.M., kand.tekhn.nauk

Amplification ratios of hydraulic valve-type amplifiers.
Priborostroenie no.6:1-5 Je '65. (MIRA 18:7)

KRASSOV, I.M., kand. tekhn. nauk; RADOVSKIY, L.I., inzh.; TURBIN, B.G., inzh.

Dynamics and calculation of basic parameters of a two-stage hydraulic
amplifier. Priborostroenie no.7:7-9 Jl '65. (MIRA 18:7)

1. 22568-66

ACC NRT AP6012996

SOURCE CODE: UR/0119/65/000/007/0007/0009

AUTHOR: Krassov, I. M. (Candidate of technical sciences); Radovskiy, L. I. (Engineer);
Turbin, B. G. (Engineer)

33
B

ORG: none

TITLE: Dynamics and calculation of basic parameters of a two-stage hydraulic amplifier

SOURCE: Priborostroyeniye, no. 7, 1965, 7-9

TOPIC TAGS: hydraulic pressure amplifier, automatic pneumatic control

ABSTRACT: A description of the dynamics and basis for calculation of the main parameters with application of amplification coefficients as to pressure and fluid usage are presented for a widely used two-stage pneumatic automatic control amplifier. Equations are developed for the dynamics of the amplifier (demonstrating that the dynamic properties of the amplifier depend on the pressure and fluid flow amplification coefficients at the instant of initiation of movement of the system); the dependence of pressure and flow amplification coefficients on the parameters of the amplifier and on the load requirements. Orig. art. has:

2 figures and 26 formulas. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 003

Card 1/1 BK

ACC NR: AP6033661 (A) SOURCE CODE: UR/0119/66/000/010/0004/0005

AUTHOR: Belevitin, B. V. (Engineer); Krassov, I. M. (Candidate of technical sciences)

ORG: none

TITLE: Effect of temperature on hydraulic-intensifier gain

SOURCE: Priborostroyeniye, no. 10, 1966, 4-5

TOPIC TAGS: hydraulic intensifier, hydraulic device, temperature effect

ABSTRACT: The operation of a nozzle-flapper hydro intensifier is theoretically examined: the effect of the working-fluid temperature on the pressure and rate-of-flow gains is studied. It is found that the temperature-effect compensation is hardly feasible; hence, these remedial measures are suggested: (1) The throttle's rate-of-flow should not depend on Re , i.e., the restriction orifice must be of such size that the flow is turbulent; the nozzle orifice must create a sudden flow expansion; (2) The intensifier must be so adjusted that the nozzle-flapper operates in the large-opening region where the flow factor is stable; or else, the Re number must exceed its critical value. Orig. art. has: 3 figures and 2 formulas.

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 002

Card 1/1

UDC: 62.522

KRASSOVARI, A.

Focusing the situation and the size of the television picture on the screen of the picture tube.

P. 122 (RADIOTECHNIKA) Budapest, Hungary Vol. 7, No. 1, Mar. 1957.

SO: Monthly Index of East European Acquisitions (AEEI) Vol. 6, No. 11, November 1957.

KRASSOVSKIY, A.P.

Dividing multiple operations of single-piece continuous lines.
Trudy LIP no.227:146-157 '63. (MIRA 17:4)

DEPCWSKI, Stanislaw; KRASSOWSKA, Aleksandra

Testing results of bitumen manifestations in the Magnuszew IG 1 borehole.
Kwartalnik geol 6 no.1:210-228 '62.

1. Zaklad Geologii Nizu, Instytut Geologiczny, Warszawa.

KŁĄBOWSKI, Aleksandra; KULCZYCKI, Julian

Devonian in the Pieptadow region. Przegl. geol. 11
no. 8:391-515 Ag '63.

1. Department of Palaeozoology, Institute of Geology, Warsaw.

KRASSOWSKA, Aleksandra

RENAME

KRASSOWSKA, Aleksandra; KULCZYCKI, Julian

1. Geological Institute (Instytut Geologiczny) (for Krassowska ?); 2. Paleozoological Department (Zaklad Paleozoologii) of the Polish Academy of Sciences (for Kulczycki)?

Address, Przedmiedz Goczałkowice, No 1, Apt 65, PL 34-900.

"Devonian System in the Cięcławie vicinity (Szczyty Krużg Mountains)".

KRASSOWSKA, Aleksandra

Geologic profile Pulawy--Radzyn. Kwartalnik geol 9 no.1:
53-63 '65.

1. Department of Lowland Geology of the Institute of Geology,
Warsaw. Submitted May 10, 1964.

KRASSOWSKA, Danuta

First essays with the preparation priamide in labor. Gin.polska
30 no.4:473-476 J1-Ag '59.

1. Z II Kliniki Chorob Kobiecych i Poloznictwa A.M. w Lodzi.
Kierownik: prof.dr. S. Krzesztoporski.
(PARASYMPATHOLYTICS ther.)
(LABOR)

HORODKO, Janina; KRASSOWSKA, Ligia; NAIMSKI, Krzysztof [deceased];
ZAKRZEWSKI, Kazimierz

Continuous cultivation of *Salmonella typhi* for the production of
anti-typhoid vaccines. Acta microbiol. pol. 10 no.4:351-369 '61.

l. Z Centralnego Laboratorium Zjednoczenia Wytworni Surowic i
Szczepionek "Biomed" w Warszawie.
(*SALMONELLA TYPHOA* culture) (VACCINES)

KRASSOWSKI, B.

POL.

3373

675.024

Lasek W., Krassowski B. Determination of Basicity in Chrome Tanning
Solutions and Baths.

"Oznaczenie zasadistości w trzecikach i kąpielach garbujących
chromowych". Przegląd Skórzany. No. 3, 1954, Blul., pp. 2-4, No. 6, 1954,
Blul., pp. 11-12, 1 fig., 7 tabs.

As being the most rational and simple in routine use the circuitous
method was selected from the familiar methods of determining the
basicity in chrome tanning solutions and baths — the most essential
analytical index in the inter-operative control of chrome tanning. The
accuracy of this and of E. Stasny's classical method generally adopted
in Poland were checked on: 1) chemically pure potassium chromium
sulphate; 2) a tanning solution, obtained by reducing $K_2Cr_2O_7$ by
means of sulphur dioxide, of a standard basicity of 33.3 per cent;
3) sulphur dioxide-reduced solutions masked by sodium formate and
oxalate with masking numbers of 10 and 20. Description of method for
determining basicity.

(1)

4533

675.024.4

Krassowski B. The Role of Buffers in Chrome-Tanning.

"Rola związków buforowych w gartowaniu chromowym". Przegląd Skórzany, No. 5, 1958, pp. 102-107, 1 fig., 2 tabs.

Chewie

The paper discusses the application of buffer mixtures in single-bath chrome-tanning, particularly during the process of blunting in order to increase the alkalinity of tan liquor. Work is now in progress at the Leather Industry Institute to substitute sodium sulphite and sodium nitrite for soda commonly used for blunting the acidity of chromium salt tanning baths. The two first mentioned salts have a notably favourable effect on leather. Investigations have confirmed that small quantities of sodium sulphite mask chromium very strongly and even large amounts of ammonia prevent the settling out of alkaline chromium salts. Sodium nitrite, on the other hand, does not mask chromium in the presence of ammonia, but it can be used for blunting without fear of displacing previously introduced masking ions. As regards the progress of blunting in chromium salt solutions, sodium nitrite proved superior to sodium sulphite.

Country	: POLAND/Chemical Technology, Chemical Products
Category	: and their Applications. Institute. Inst. of Selection, Testing, Analysis, Industrial Materials.
Abs. Jour.	: Ref. Khim. - Polm., No. 10, 1959, 3739.
Author	: KRASOWSKI P., Wladyslaw J.
Institut.	: Inst. of Tech.
Title	: Determination of the Basicity of Tannins. Iron Compounds in Soaps, containing Ammonium Salts.
Orig. Pub.	: Przegl. Skorzany, 1958, 10, No. 8, 205-210.
Abstract	: The iron content is determined by the dichromate method. The ammonium salts and the acid residue, connected with Fe, are determined from one selected portion. NH ₃ is distilled from the excess of the titrating alkali solution. The total alkali quantity, expanded for the disappearance of NH ₃ and the neutralization of the acid residue, is determined by the inverse titration of the alkali formed by the distillation of NH ₃ . The excess after the distillation of NH ₃ is titrated with an HCl solution. The difference between the total quantity,

carl: 1/2

KRAJOWSKI, S.

Type CMA 10 vertical hydraulic broaching machine. p. 258.

Mechanik. Warszawa, Poland. Vol. 32, no. 5, May 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960.
Uncl.

KRASSOWSKI, Tadeusz.

Pregnancy and postpartum lipids in the uterus in mice. Fol.
morph., Warsz. 6 no.4:283-294 1955.

1. Z Zakladu Histologii i Embriologii A M w Warszawie.
Kier. prof. dr J.Zweibaum.

(UTERUS, metabolism,
lipids, in pregn. & postpartum in mice)

(LIPIDS, metabolism,
uterus, in pregn. & postpartum in mice)

(PREGNANCY, metabolism in,
lipids in uterus in pregn. & postpartum)

KRASSOWSKI, Tadeusz; SZAMBORSKI, Jozef

Morphological changes of the placentae from pathological pregnancies and deliveries. Gin.polska 30 no.6:677-690 N.D '59.

1. Z II Kliniki Chorob Kobiecych i Poloznictwa AM. w Warszawie
Kierownik: prof. dr med. I. Roszkowski.
(PLACENTA pathol)

ZALESKI, M.; KRASSOWSKI, T.; WLODARSKI, K.

Histochemical investigations of human transitional epithelium.
Folia morphol 22 no.1:34-40 '63.

1. Department of Histology and Embryology, Medical Academy,
Warsaw. Head: Doc. dr K.Ostrowski; and 2d Obstetric and
Gynecologic Clinic, Medical Academy, Warsaw. Head: Prof. dr
I.Roszkowski.

*

ZALESKI, M.; KRASSOWSKI, T.; KLODARSKI, K.

Attempts at bone induction by heterogenous grafts of uriphary
bladder mucosa. Folia morphol 22 no.1:41-48 '63.

1. Department of Histology and Embryology, Medical Academy,
Warsaw. Head, Doc. dr K. Ostrowski; and 2d Obstetric and
Gynecologic Clinic, Medical Academy, Warsaw. Head: Prof. dr
I Roszkowski.

X

KRASSOWSKI, Tadeusz

Management of eclampsia in puerperium. Ginek. pol. 34 no.3:
407-410 '63.

1. Z II Kliniki Poloznictwa i Chorob Kobiecych AM w Warszawie
Kierownik: prof. dr med. I. Roszkowski.
(ECLAMPSIA) (BARBITURATES)
(ANESTHESIA, GENERAL)
(PUERPERAL DISORDERS)

KRASSOWSKI, Tadeusz; LAMERS, Janina

Endotracheal resuscitation of newborn infants. Ginek. pol.
34 no. 33401-405 '63.

1. Z II Kliniki Chorob Kobiecych i Poloznictwa AM w Warszawie
Kierownik: prof. dr med. I. Roszkowski.
(ASPHYXIA NEONATORUM) (RESUSCITATION)

ROSZKOWSKI, Ireneusz; CHOJNOWSKA, Irena; IWANISKA, Janina; JANCZEWSKA,
Elzbieta; KRASSOWSKI, Tadeusz; MYSZKOWSKI, Leopold.

The content of protein and lipoprotein fractions in the blood
serum of pregnant women suspected of placental insufficiency.
Ginek. pol. 35 no.1:15-18 Ja-F'64

1. Z II Kliniki Poloznictwa i Chorob Kobiecyh AM w Warszawie;
kierownik: prof. dr.med. I. Roszkowski.

*

OLSZEWSKI, Waldemar; KRASSOWSKI, Tadeusz

Morphological studies on the healing of the resected Vater's
ampulla. Pol. pr^{meg}l. chir. 36 no.2:161-167 F'64

1. Z Zakladu Chirurgii Doswiadczonej PAN (kierownik: prof. dr.
J. Nielubowicz) i z Zakladu Histologii AM w Warszawie (kierow-
nik: prof.dr. K.Ostrowski).

*

KRASSOWSKI, Tadeusz; STARZYNsKA, Jadwiga; KIELIINSKA-KMIOLEK, Zofia

Methodological considerations on leukocytic cultures. Ginek. Pol.
35 no. 3:465-470 My-Je '64

1. Z II Kliniki Poloznictwa i Chorob Kobiecych Akademii Medycznej w Warszawie (Kierownik: prof. dr. I. Roszkows'ki) i z Zakladu Genetyki Uniwersytetu Warszawskiego (Kierownik: prof. dr. W. Gajewski).

KRAJOWSKI, Tadeusz; KOSTKOWSKA-KMIGLAK, Zofia; STARZYNSKI, Jacki

Cultivation of peripheral leukocytes with the use of phageolin,
a mitotic stimulator. Ginek. Pol. 35 no.6:863-867 N-0 '64

1. Z II Kliniki Ginecznictwa i Chor. Kobiecych Akademii Me-
dycznej w Warszawie (Kierownik: prof. dr. med. I. Roszkowski)
i z Zakladu Genetyki Uniwersytetu Warszawskiego (Kierownik:
prof. dr. W. Gajewski).

VOROS, Sandor; HEGYI, Pal; GYORFY, Irén; KRASSOY, Ivan

Hemorrhagic pleuritis caused by Salmonella cholerae suis var.
kunzendorf, Orv. hetil. 100 no.11:413-415 15 Mar 59.

1. A Pecsi Orvostudomanyi Egyetem Mikrobiologiai Intézetek (igazgató Rauss Károly dr. egyet. tanár) és I. sz. Belgyógyászati Klinikájának (igazgató: Angyan János dr. egyet. tanár) közleménye.

(PLEURISY, etiol. & pathogen.

hemorrh., caused by Salmonella choleraesuis var.

kunzendorf, case report (Hun))

(SALMONELLA INFECTIONS, case reports

Salmonella choleraesuis var. kunzendorf causing
hemorrh. pleurisy (Hun))

KRASSOY, Kalman

Exposure time and progression of severity of silicosis in the
ambieny of Pecs. Nepegeszsegugy 35 no.10:262-265 Oct 54.

1. Kozlemeny a Baranya megyei tanacs pecsi rendelointezetenek
(igazgato: Linka Lasslo dr.) lel-es rontgenoatalyarol (foorvos:
Krassoy Kalman dr.)
(SILICOSIS, epidemiol.
Hungary, in miners)

KRASSOY, Kalman
KRASSOY KALMAN, Dr.

Working capacity in silicosis and silicotuberculosis. Tuberkulosis
10 no. 3-4:70-74 Mar-Apr 57.

1. A baranya-megyei Tanacs Pecis Rendelointezet (igazgato-foorvos:
Linka Laszlo dr.) bel- es rontgenosztalyanok (Foorvos: Krassoy
Kalman dr.) kozlemenye.

(SILICOSIS
, disability evaluation in miners (Hun))

(TUBERCULOSIS, PULMONARY
silicotuberc., disability evaluation in miners (Hun))

KRASSOY, Kalman (Pecs)

Silicosis, silicotuberculosis and lung cancer. Nepegeszseguey 38
no. 10-11:269-271 Oct-Nov 57.

1. Kozlemeny a Baranya megyei tanacs pecsi rendeointezetenek (igazgato-
foorvos: Linka Laszlo) bel es rontgenosztalyarol (foorvos: Krassoy Kalman)
(SILICOSIS, compl.

lung cancer (Hun))

(TUBERCULOSIS, PULMONARY

silicotuberc. in etiol. of lung cancer (Hun))

(LUNG NEOPIASMS, etiol. & pathogen.

silicosis & silicotuberc. (Hun))

L 8795-65 EWT(m)/EPF(c)/EWP(j) Pe-4/Pr-4/Pa-4 JW/RM
ACCESSION NR: AP4045548 S/0286/64/000/015/0058/0058 L2

AUTHOR: May, L. A.; Krast, G. B.

TITLE: Preparative method for organosilicon polyamines. Class 39,
No. 164428 15

SOURCE: Byul. Izobr. i tovar. znakov, no. 15, 1964, 58

TOPIC TAGS: organosilicon polyamine, polyethylsiloxane, amino alcohol

ABSTRACT: An Author Certificate has been issued for a method of preparing organosilicon polyamines by the reaction of polyethylsiloxane fluid with α,ω -amino alcohols.

ASSOCIATION: none

SUBMITTED: 29Jun63 ATD PRESS: 1107 ENCL: 00

SUB CODE: HT, OC NO REF Sov: 000 OTHER: 000

Card 1/1

KRASTANOV, Ljubomir, dr.; JORDANOV, Dimitar

Criterion of the thermic balance of the atmosphere. Idojaras 64
(EEAI 10:1)
no.1:1-8 Ja-F '60.

1. Vizepräsident, Bulgarische Akademie für Wissenschaften (for Krastanov)
2. Wissenschaftlicher Mitarbeiter, Institut für Hydrologie und
Meteorologie, Sofia (for Jordanov).
(Atmosphere)

JORDANOV, D. (Sofia); KRASTANOV, L. (Sofia)

Criterion of atmospheric turbulence during horizontal inhomogeneity
of the temperature. Idojaras 64 no. 5:271-276 S-0 '60.
(EEAI 10:9/10)

(Atmospheric temperature)

KRAS TAKOV, L.

84-172

351.511-351.551

Krasanov, L. Vratchi turbulentniye pulsatsii na nizkiy meteorologicheskiy element. [On the turbulent pulsations of some meteorological elements.] *Bulgarika Akademika po Naukite, Sofia, Institut, Otdelenie za Fizika Matematicheskikh i Tekhnicheskikh Nauk, Seriya Fizicheska*, 5:133-147, Jan./Dec. 1955. 6fig., 9 refs., 13 eqs. Russian and English summaries p. 146-147. Also his: Novye zadaniya na kriteriiya za turbulentnost v atmosfere. [New contents of the criterion for turbulence in the atmosphere.] *Ibid.* p. 149-159. 5 refs., 22 eqs. Russian and English summaries p. 156-159. DLC—The object of the first paper is to make use of the simplified concepts of the semiempirical turbulence theory for the purpose of de-

termining turbulent exchange by means of turbulent eddies. A fundamental concept is the mixing length, which is defined as the distance covered by the eddy in a vertical direction between the level of its origin and the level at which it mixes with the surrounding medium.

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000826220

AC wye

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000826220C

KRASTANOV, L. [Krustanov, L.], akad.; MILOSHEV, G.

On the mechanism of condensation processes in the atmosphere. Doklady
BAN 16 no.3:261-264 '63.

KRASTANOW, L.
X'S

AQUEOUS WATER AND HYDRO-STRUCTURES

551.574.1

3.5-233

Kristanow, L.; Über eine Grundfrage bei den Kondensationsvorgängen
in der Atmosphäre. (A basic problem on condensation processes in the
atmosphere.) Bulgarian kriemila na Naukite, Sofia, Doklady,
3(1):13-16, Jan./March 1950. refs., equations. with a theoretical
development for determination of the rate of formation and energy
released in formation of a drop of water on a condensation nucleus,
based on formula of Becker und Doring (1935) where it was assumed that
nuclei were completely wettable. The author maintains that with
different saturation or supersaturation values, different degrees of
wetability exist for a given nucleus. Subject Headings: 1. Condensation
nuclei 2. Supersaturation 3. Drop formation. - R.R.

L 34514-66

ACC NR: AP6024742

SOURCE CODE: BU/0011/65/018/010/0911/0914

AUTHOR: Krastanov, L.; Miloshev, G.; Lovkov, L.

ORG: Geophysical Institute, BAN

TITLE: Activity on the equilibrium-shaped faces of ice

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 10, 1965, 911-914

TOPIC TAGS: ice, crystal lattice structure, crystal surface, epitaxial growing, formation heat

ABSTRACT: The equilibrium shape of ice crystals is surrounded by basic (0001), prismatic (0101), and pyramidal (1011) faces. The authors investigate theoretically the activity of these faces by comparing the energy of formation of two-dimensional embryos from the gas phase above them. In the crystal models used the positions of the water molecules are assumed identical with the position of the oxygen atoms in the lattice. Calculations took into account the surface structure of the base and the processes of epitaxial deposition. Though the results cover the two-dimensional ice embryo-ice case, they can be applied also to the ice formation from the gas phase on foreign but ice-similar (in structure) bases such as AgI and PbI. In all the cases, in presence of supersaturation the prismatic faces appear to be the most active ones. Orig. art. has: 2 figures and 9 formulas. [Orig. art. in Eng.] [JPRS: 34,964]

SUB CODE: 20 / SUBM DATE: 01Jul65 / ORIG REF: 002 / OTH REF: 002

Card 1/1 ✓ 115

0915

2577

L 46629-66 FCC

ACC NR: AP6026275

SOURCE CODE: BU/0011/65/018/007/0635/0638

AUTHOR: Miloshev, G.; Krastanov, L.

ORG: Geophysical Institute, BAN

TITLE: Thermodynamics of the heterogeneous formation of crystal seeds in super-cooled water drops

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 7, 1965, 635-638

TOPIC TAGS: crystallization, supercooling, water, crystal structure

ABSTRACT: R. Kaishov et al. (Izv. In-ta po fizikokhimiya BAN, II, 1962) investigated the formation of crystal seeds in a homogeneous liquid phase. The present paper deals theoretically with the formation of crystal seeds in supercooled drops (at relatively high temperatures below 0°C) on solid particles (imperfectly and perfectly wettable freezing nuclei) (L. Krastanov, Met. Zeitschr., 1940, 10, 357). Expressions are given for four separate cases. Orig. art. has: 2 figures and 13 formulas.
[Orig. art. in Eng.] [JPRS: 33,542]

SUB CODE: 20 / SUBM DATE: 30Mar65 / ORIG REF: 001 / OTH REF: 002

Card 1/1 358

0916

1829

JANKOV, M.; DAVIDOVIC, C.; KRSTAVCEVIC, Lj.; KNEZEVIC, Z.

Primary resistance of tubercle bacilli isolated from pathological material of tuberculous patients never treated with tuberculo-static drugs. Tuberkulozna 15 no.2:254-257 Ap-Je '63.

1. Institut za tuberkulozu SR Srbije, Beograd - Direktor:
prof. dr Milic Grujic.

(MYCOBACTERIUM TUBERCULOSIS) (STREPTOMYCIN)
(ISONIAZID) (AMINOSALICYLIC ACID)
(DRUG RESISTANCE, MICROBIAL)

5

GOLUBOVIC, Vasilije, dr inz., docent (Beograd, Lole Ribara 37);
KRASTAVCEVIC, Momcilo, inz., asistent

Complexometric determination of sulfate, also of barium
in gypsum and barite. Tehnika Jug 19 no.3:Suppl:Hemin-
dustrija 18 no.3:538-540 Mr '64.

1. Faculty of Technology, University of Belgrade.

DUCIC, Vojislav, inz., visi strucni saradnik ; KRASTAVCEVIC, Momcilo, inz.,
asistent

Content of puzzolana and fly ashes in cements. Saop Inst isp mat Srb
ll no.19:68-72 My '63.

1. Institut za ispitivanje materijala NR Srbije.

DUCIC, Vojislav, inz., visi strucni saradnik; KRSTAVCEVIC, Momcilo, inz,asistent;
KOLARIK, Jene, inz., asistent

Determination of carbon dioxide in cement. Saop Inst isp
mat Srb 11 no.20:66-70 Ag '63.

1. Institut za ispitivanje materijala SR Srbije.

DUCIC, Vojislav, inz., saradnik (Bulevar Vojvode Misica 43, Beograd);
KRASTAVCEVIC, Momcilo, inz., asistent

Direct determination of magnesium content in limestone.
Tehnika Jug 17 no.6:Suppl.: Hemindustrija 16 no.6:1157-1158
Je '62.

1. Institut za ispitivanje matorijala NR Srbije, Beograd
(for Ducic). 2. Tehnoloski fakultet Univerziteta u Beogradu
(for Krastavcevic).

DUGIC, Vojislav, inz., strucni saradnik; KRASTAVCEVIC, Momcilo, inz.,
asistent

Complexometric determination of aluminum in cements. Saop Inst
isp mat Srb 10 no.18:13-16 S'62.

Adm. Sirs, Drs., S. A.

Contagious skin diseases in children. Lancetred Med 11, 1943.

DARL

1. Skin-Diseases. 2. Communicable diseases.

KRASTELEVSKAYA, S.A.

New supplementary method in microscopy of fungi in pathologic material.
Vest. vener., Moskva No.1:25-27 Jan-Feb 52. (CIML 21:4)

1. Candidate Medical Sciences. 2. Of the Clinic for Skin Diseases
(Head--Prof. O.N. Podvysotskaya, Active Member AMS USSR), First
Leningrad Medical Institute imeni Academician I.P. Pavlov (Director
I.Ye. Kashkarov).

KRASTELEVSKAYA, S.A., kandidat meditsinskikh nauk.

One of the measures in the prevention of epidermophytosis; practical suggestion. Vsst.ven.i derm. no.5:22-23 S-0 '53. (MLBA 6:12)

1. Iz kliniki koshnykh i venericheskikh bolezney I Leningradskogo meditsinskogo instituta im. akad. I.P.Pavlova (direktor - deyatel'nyy chlen Akademii meditsinskikh nauk SSSR prof. O.N.Podvysotskaya).
(Ringworm)

KRASTELEVSKAYA, S.A., kandidat meditsinskikh nauk

Unconditional reflex activity of the salivary glands in eczema
and neurodermitis [with summary in English]. Vest.derm. i ven.
31 no.1:7-12 Ja-F '57. (MLRA 10:?)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - deyствител'nyy chlen Akademii meditsinskikh nauk SSSR prof. O.N.Podvysotskaya)
i Leningradskogo meditsinskogo instituta (dir. - dotsent A.I.Ivanov)
i laboratori vysshay nervnoy deyatel'nosti Gosudarstvennogo pediatricheskogo nauchno-issledovatel'skogo instituta (zav. - deyствител'nyy chlen Akademii meditsinskikh nauk N.I.Krasnogorskiy)
(NEURODERMATITIS, physiol.
unconditional reflex activity)
(ECZEMA, physiol.
same)
(REFLEX, in various dis.
unconditional, in eczema & neurodermititis)

KRASTEL'EVSKAYA, S.A., kand.ned.nauk

Preparation of stable microscopic fungi for study purposes
[with summary in English]. Vest.derm. i ven. 32 no.3:22-23
My-Je '58 (MIRA 11:7)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - dey-
stvitel'nyy chlen AMN prof. O.W. Podvysotskaya) I Leningradskogo
meditsinskogo instituta (direktor - dots. A.I. Ivanov).

(FUNGI,
method of pre. of stable unstained microscopic
fungi (Rus))

KRASTELEVSKAYA, S.A., NIKITINA, T.A., SAMTSOV, V.I.

"Fungous diseases of the skin" by P. IA. LAKOBSON, Vest.derm. i
ven. 32 no.3:87-88 My-Je '58 (MIRA 11;7)
(DERMATOMYCOSIS)
(LAKOBSON, P. IA.)

K R A S T E V H.

- 26
- Soviet. Doklady Fiziko-Chim. Nauk., Vol. 14, no 3, 1951
1. Description of Tangential Places to Surfaces of the
Cathodes of Straight Lines in the Superbolidiaca,
A. KOTICHOV, pp 230-237.
2. "Measuring the Activation Energy of Adsorption Isoadsorbates in
Lad Sulphide" Iv. Bary and L. GUREV, pp 230-232
(English Summary)
3. "A New Precise Differential Method for Laboratory
Purposes" L. GUREVICH and I. SOKOLOVA, pp 243-246.
4. "Microquantitative Determination of Chlorine and Sodium
Ions" N. GUREVICH and K. KOTICHOV, pp 247-250.
5. "Comparative Amino Acid Content of the Meats of Some
Fruit Spiders" S.I. YANOV, pp 251-254.
6. "One Method of Removing Sulfur from the Kreminkov
Limonite Ore" N. YANOVIChev, pp 255-257.
7. "Absorption of Nitrogen Oxides in the Vibrating Wave
of Sodium Butoxide Solutions" Part 2, D. MATEV,
Chr. DIMITROV, L. BOJNOCHEV and D. KOTICHOV, pp 259-262.
8. "On the Rate of Absorption of Para-Chloro D. MATEV,
D. KOTICHOV and C. BOJNOCHEV (in English)" pp 263-267.
9. "Effect of Some Inorganic Additives on the Reduction of
Copper Oxide by Carbon Dioxide at Low Temperatures"
H.S. KOTICHOV, pp 267-270.
10. "Bogerite from the Razka Mine, Bulgaria" - Basia.
T.G. RADONOV, pp 271-274 (English Summary).
11. "Aluminous Saponite from Avchuk, Ardin Basin" Z.
COZDROV, pp 275-278 (English Summary).
12. "Regulating the Deteriorative Variability of Escherichia
coli" S. CALISON, pp 279-281.
13. "Studies on the Formation of Capsule by Certain Strains
of *Bacillus* Anthracis in Vitro" G. IV. RADOV, pp 281-285.
14. "Antibiotics and the Recidivo-Infectious System
Fixation Activity in Rice Treated with Certain Iron
Sugars" A. KOTICHOV, G. SOKOLOVA and D. SOKOLOV,
pp 287-290.
15. "Electron Microscopic Study of Lungs of Snakes" H.
MATEV, pp 291-294.
16. "Influence of Endospores Due to *Leptospira* Subodizing in
Bulgaria" I. KOMKOV, pp 295-299.
- 2/2 —

L 4371-66

ACC NR: AP5028429

SOURCE CODE: BU/0011/65/018/001/0071/0074

18
B

AUTHOR: Krastev, H.; Bajdanov, S.

ORG: Institute of Morphology, Bulgarian Academy of Sciences (Institut fur Morphologie an der Bulgarischen Akademie der Wissenschaften)

TITLE: Luminescence-microscopy method for the observation of absorption of certain artificial tannins (syntanes)

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 1, 1965, 71-74

TOPIC TAGS: tanning material, chemical absorption, luminescence, microscopy

ABSTRACT: In the past, the leather industries studied the penetration of the syntanes by means of chemical methods only; these methods are, however, either cumbersome or inaccurate. Consequently, the authors investigated the feasibility of luminescence of the tannins. The results indicate that in the case of syntanes showing weak or no luminescence one can carry out a simultaneous introduction of the tannin and some auxiliary dye. In all cases the method (described in detail in the paper) supplied reliable data about the rate of penetration of the syntanes studied (A₄₄, G₄₀, G₃₇, AE, A₂₃, EZE (products of East Germany), and NK (USSR)). The work was presented by A. I. Hadjiloff, Active Member of BAN, 4 Nov 64. Orig. art. has 4 figures. [JPRS]

SUB CODE: MT, OP / SUBM DATE: 04Nov64 / ORIG CODE: 002 / OTH REF: 002
SOV REF: 001

KRUMH, P.

A relation between the moment of inertia and gravity center of
heat, and the inertia moment of heat in the unheated zone.
Toklody BM 17.07.1973 14

3. Note presented per G. Dzhigalov, 1973, published in
"Audiencia."

RANGELOVA, S.; KRASTEV, T.; VASSILENKO, S.; TODOROV, J:

Achievements in control of poliomyelitis in Bulgaria. Dokl. bolg. akad. nauk 15 no.6:673-676 '62.

1. Note presentee par I. Emanuilov, membre de l'Academie.
(POLIOMYELITIS)

BRAZMA, N., dots.; BRIGMANE, A., st. prepod.; KRASTINS, A.,dots.;
RATS, J., st. prepod.; KIKANS, V., red.

[Higher mathematics] Augstaka matematika. [By] N.Brazma un
citi. Riga, Latvijas Valsts izd-ba, 1964. 390 p. [In
Latvian] (MIRA 17:6)

...

Kul'tin', ... F.: "The vector method in comparative calculations."
In: Higher Education USSR. L.ian Agricultural Academy.
Kirov, 1956.
(Dissertation for the Degree of Candidate in Technical Sciences.)

CC: Kirzhnaya Institute, No 23, 1956

SOV/154-18-2-4/22

AUTHOR: Krasil'nik, I. V., Candidate of Technical Sciences

TITLE: The Application of Some Conceptions From Linear Algebra in the Theory of Adjustment Computations (Primeneniye nekotorykh понятий линейной алгебры в теории уравнительных вычислений)

PUBLICATION: Izvestiya Vilenskikh ochebnykh zavedeniy. Geodesiya i kartografiya. 1963. Vol. 19, No. 63-05 (U.S.)

ABSTRACT: In first, questions in connection with the use of current symbols are touched upon. Then, the algebraic theory of a group adjustment of conditional measurements is given as an example. The accuracy of the adjusted elements and their functions is evaluated. Then the formula for the minimum value of the square sum of corrections in the case of a group adjustment is derived. Eventually, the formula (5.8) for the determination of the reciprocal weight of balanced elements in a group adjustment is derived. There are 7 references, 7 of which are Soviet.

ASSOCIATION: Latvийская сельскохозяйственная академия (Latvian Agricultural Academy)
Card 1/2

SOV/154-58-2-4/22

The Application of Some Conceptions From Linear Algebra in the Theory of
Adjustment Computations

SUBMITTED: November 15, 197

Card 2/2

KRASTINS, A.

GENERAL

PERIODICALS: VESTIS No. 2, 1958

KRASTINS, A. Some remarks on cracovian calculation and its application on the method of minimum squares. In Russian. p. 107

Monthly list of East European Accessions (EEAI) LC, Vol. 6, No. 2,
February 1959, Unclass.

3/03/62/000/002/045/03
A001/A1C1

AUTHOR: Krestinš, A.

TITLE: The generalized Gauss algorithm in adjustment calculations

PERIODICAL: Referativnyj zhurnal, Astronomiya i Geodesiya, no. 2, 1962, 29,
abstract Z0182 ("Tr. Latv. s.-kh. akad.", 1959, no. 3, 299 - 305,
Latvian, Russian summary)

TEXT: The author sets forth the task to substantiate a statement by A. I.
Nazmishvili (RZhAstr, 1958, 10, 6990) which sounds as follows: adjustment by
the method of two, three and more groups can be readily generalized from the
viewpoint of triangular transformation of the square symmetric block matrix.
The problem is solved by using the generalized Gauss algorithm. ✓

Author's summary

[Abstracter's note: Complete translation]

Card 1/1

SNORE, E.; KRASTINS, E.; BLAUS, I., red.; SPORANE, V., tekhn.red.

[Bauska; guidebook for Bauska and its environs] Bauska;
turisma ceļvedis po Bausku un tās apkārtni. Riga, Latvijas
Valsts izdevniecība, 1961. 130 p. [In Latvian] (MIRA 15:2)
(Bauska District—Guidebooks)

SKOBELIN, V.M.; RUKSHA, G.P.; KROTKO, F.I., burovoy master (Rostov-na-Donu);
KRASIN, N.A., inzh.; BOBROV, V.V.; SHUMILIN, V.P., brigadir puti
(st.Ust' Kamenogorsk, Kazakhskoy dorogi)

Letters to the editor. Put' i put.khoz. 6 no.6:42-43 '62.

(MIRA 15:7)

1. Zamestitel' nachal'nika Kotelnicheskoy distantsii Gor'kovskoy dorogi (for Skobelin).
2. Nachal'nik otdela puti, st. Leningrad-Vitebskiy, Oktyabr'skoy dorogi (for Ruksha).
3. Zamestitel' nachal'nika Terensayskoy distantsii Kuybyshevskoy dorogi (for Krasin).
4. Starshiy dorozhnyy master, stantsiya Tikhvin, Oktyabr'skoy dorogi (for Bobrov).
(Railroads)

KRASTIN, N. I.

"A Contribution to the Study of the Biology of Nematodes of the Genus
Thelazia Bosc, 1849, Parasitic of the Eye of Cattle," Dok. AN, 52, No. 2, 146

KRASTIN, N.I.

"Diagnosis and Therapy of Thelaziasis of Large Cattle Caused by
Thelazia Skrjabini and T. Gulosa," N.I.KRASTIN, Candidate of Veterinary
Science, Helminthological Sec, Far Eastern Scientific Research Veterinary
Medical Institute, 3pp (74T80)

SO: Veterinariya; No.4; Apr 1948 uncl deg p 19-21

Use of 5-8 drops of 1% alc soln of iodine in the conjunctival sacs leads to
elimination of the parasites.

KRASTIN, N. I.

Krastin, N. I. and Ivashkin, V. M. "Telyaziosis of the eyes of horses in the far east", Sbornik rabot po gel'mintologii (Vsesoyuz. in-t gel'mintologii im. akad. Skryabina), Moscow, 1948, p. 121-23.

SO: U-3042, 11 March 53, (Letopis'nykh Statey, No. 10, 1949).

KRASTIN, N. I.

PA 66/49T61

USSR/Medicine - Cattle, Diseases Apr 49
Epizootic Diseases

"Epizootiology of Thelaziasis in Large Horned
Cattle and the Biology of Thelazia Rhodesi
(Demarest, 1827)," N. I. Krastin, Cand Vet Sci
Chief, Helminthol Dept, Far Eastern NIVI, 3 pp

"Vet" No 4

Intermediate host of Th. rhodesi is the fly
(Musca convexifrons Thomson) which attacks the
eyes and nose of cattle. Dehelminthization
of livestock must be carried out in fall, winter
and spring to be effective. The eyes of cattle
should be protected from flies. Describes the
development of the larva in both hosts.
66/49T61

KRASTIN, N. I.

FA 29/49T57

USSR/Medicine - Helminthology
Medicine - Cattle, Diseases

Feb 49

"Interpreting the Cycles of Development in the
Nematoda, Thelazia Rhodesia (Desmarest, 1827), Para-
site in the Eyes of Large-Horned Cattle," N. I.
Krastin, 4 pp

"Dok Ak Nauk SSSR" Vol LXIV, No 6

Found that the intermediate host of Thelazia Rhodesia
is the Musca convexifrons Thomson, one form of fly
that infests the region of the eye and nose in large-
horned cattle. Submitted by Acad K. I. Skryabin,
3 Jan 49.

29/49T57

KRASTIN, N.I., Cand. of Vet. Sciences
Far Eastern Scientific Research Institute
"Interpretation of the biological cycle of the second agent
of the laziasis of cattle." Preliminary report.
SC: Vet. 27 (2) 1950, p. 20

KRASTIN, N. I.

158T10

USSR/Biology - Nematodes
Cattle, Parasites Jan 50

"Determination of the Life Cycle of the Nematode
Thelazia Gulosa (Railliet et Henry, 1910), Eye
Parasite of Large Horned Cattle," N. I. Krastin,
Far East Sci Res Vet Inst, Blagoveshchensk, 2 $\frac{1}{2}$ pp

"Dok Ak Nauk SSSR" Vol LXX, No 3

Discusses investigation made in 1949 in Blagoveshchensk Rayon, Amur Oblast, on life cycle of subject nematode, one of two causative agents of helminthous conjunctive-keratitis of large horned cattle. Studies 6,869 *Musca amica*, establishing it as intermediate host in this region. Describes [redacted]

158T10

KRASTIN, N. I., Cand. of Vet. Sci.
Far Eastern Scientific Research Veterinary Inst.
"Peculiarities of the biology and ecology of *Musca Convexifrons*."

SO: Veterinariia 28(3), 1951, p. 26.

KRASTIN, N. I.

N. I. KRASTIN, author of "Reviews and Bibliography," Veterinariya (Veterinary Medicine) Vol. 28, No. 11, November 1951, page 59. (from: NEW BOOKS ON VETERINARY MEDICINE Veterinariya, No. 11, pp. 63,64, Nov. 1951, Moscow, Russian no per.)

SO: Report U-4502; 28 August 1953.

KRASTIN, N.I.

(From material received by the Editor on Helminthiasis of Farm Animals).
1. Extract: "Interpretation of the Biological Cycle of the Third Causative Agent of Thelaziasis in Cattle" by Candidate of Veterinary Science N.I. Krastin (Far Eastern NIVI). In 1948 the author interpreted the developmental cycle of the causative agent of thelaziasis in cattle — *Thelazia rhodesii*— by determining that it develops through the help of an intermediary host—*Musca convexifrons*.

In 1949 he disclosed the developmental cycle of a second causative agent of thelaziasis — *Thelazia Gulosa*—proving that it develops with the help of the fly *Musca amica*. In 1951, by dissecting 17,900 fly specimens of *Musca amica*, N.I. KRASTIN discovered in them larvae with morphological characteristic similar to the species *Thelazia skryabini* (skryabini ?). Injecting these larvae into the conjunctiva of a calf free of thelaziasis, he discovered on opening the carcass of the calf a single semi-mature specimen of *Thelazia Skryabini* (a female), while in the control calf no thelazias was observed. In this manner, Comrade KRASTIN has disclosed the developmental cycle of all three species of *Thelazia* which invade cattle. (Veterinariya, No.5, 1952) de g
SC: U5638;10 March 1954, 22-23;

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SO: Monthly List of Russian Accessions, Library of Congress, July 1953, Uncl.²

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1.Dal'nevostochnyy zonal'nyy nauchno-issledovatel'skiy veterinarnyy
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[Thelaziasis and its causation agents] Teliaziozy i ikh vozбудители.
Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1957. 172 p. (MIRA 11:1)
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KRASTIN, N.I., doktor veterinarnykh nauk

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159.
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396 '59. (MIRA 13:10)
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